

Below is the list of projects requested by Congressman Jeff Miller in the Fiscal Year 2010 National Defense Authorization Act. The following projects are listed in alphabetical order:

1. **Anti-Materiel Explosive Round for Javelin Block II - Entity to receive funding:** General Dynamics, Niceville, FL. **Project Description:** Provides the warfighter with a significant improvement in lethality against Military Operations in Urban Terrain (MOUT) structures. The funding will allow for a qualification program in FY10 and early fielding in FY 12. **Funding requested:** \$3,000,000
2. **AFSOC Injury Prevention and Human Performance Initiative - Entity to receive funding:** University of Pittsburgh School of Health and Rehabilitative Services/Andrews Institute, Pittsburgh, PA/Gulf Breeze, FL. **Project description:** Aligned with the National Military Strategy-Joint Vision 2020, this injury prevention and performance enhancement initiative will achieve a critical doctrinal shift in human performance strategies in Air Force Special Operations. Phase 1 will include task and demand analyses to identify Air Force Special Operator-specific tasks during which injuries occur, mechanisms of injury, and the physiological requirements of training. Based on the task and demand analyses, laboratory assessments will be used to identify biomechanical, musculoskeletal, physiological, and nutritional characteristics for potential risk factors that contribute to injury and inhibit performance in Air Force Special Operators. **Funding requested:** \$1,000,000
3. **Coordinated Operation of Unmanned Vehicles for Littoral Defense – Entity to receive funding:** Florida Institute for Human and Machine Cognition. **Project description:** This project will perform research to develop a fully-functioning prototype of biologically inspired robotic concepts uniquely suited to the littoral environment; to develop and evaluate policies and metrics for optimal resource utilization and for effective configuration and control of hybrid teams of people and heterogeneous unmanned systems and to assure effective tasking of physically distributed humans and heterogeneous configurations of unmanned platforms to best support littoral operations. **Funding requested:** \$2,000,000
4. **Department of Defense Congressionally Directed Breast Cancer Research Program - Entity to receive funding:** Department of Defense Congressionally Directed Breast Cancer Research Program. **Project description:** Cancer remains the second leading cause of death in the United States. The Department of Defense Congressionally Directed Breast Cancer Research Program will enable additional research to be conducted to find a cure for breast cancer. **Funding requested:** \$1,000,000
5. **Eglin Air Force Base Range Operations Control Center (ROCC) - Entity to receive funding:** Cubic Corporation, Arlington, VA. **Project description:** Considering the effects of BRAC, emerging Joint Test and Training missions, and

increased operations tempo, this initiative will address the current Eglin AFB shortfalls in infrastructure to provide safe, efficient, effective control of range resources. Eglin AFB initiated a phased approach (Super ROCC) to address these shortfalls, and this project will initiate the action by addressing movement and control of people and equipment and relevant security issues. This Initiative will help the Air Force increase the operations tempo at the Eglin Range by addressing the movement and control of people and equipment as well as relevant security issues. Through this initiative, the Air Force will greatly improve its ability to track all players on the Eglin Range thereby significantly increase its efficiency in an increased ops tempo environment. Driven by BRAC and safety imperatives, this further provides for more effective control which will better optimize range scheduling and increase flexibility in meeting test and training missions. Simply by knowing the locations of all entities on the range, more flexibility in reassigning missions to ground and air space previously under utilized will be achieved. **Funding requested:** \$3,000,000.

6. **Fire Station for Eglin AFB – Entity to receive funding:** Eglin Air Force Base, FL. **Project description:** Currently, Fire station # 2 (ACC side) is too far from the runway and response time requirements cannot be met. The current fire station does not meet Air Force or NFPA requirements. The fire trucks cannot fit into the station stalls because the stalls are too narrow. As a result, this equipment sits outside, exposed to harsh climatic conditions (sun, severe weather, corrosive salt). **Funding Requested:** \$13,000,000
7. **Gulf Range Mobile Instrumentation Capability – Entity to receive funding:** Prologic, Manassas, VA. **Project description:** The 46th Range Group (46 RANG) has a need for a capability for remote test, collection, storage and relay of various data types. This capability can be accomplished with a Gulf Range Mobile Instrumentation Capability (GR-MIC). The GR-MIC is needed to support test events on the Eglin AFB range which occur over large geographic areas (land and sea based). **Funding Requested:** \$3,000,000
8. **Intelligence Broadcast Receiver (IBR) for AFSOC MC 130 aircraft - Entity to receive funding:** DRS Technologies, Fort Walton Beach, FL. **Project description:** This equipment provides Air Force Special Operations Command (AFSOC) MC-130 Combat Shadow aircraft with vastly improved situational awareness in high threat combat conditions. These aircraft provide clandestine or low visibility, low level missions into denied areas to provide support to small SOF ground teams as well as to provide air refueling for specialized infiltration aircraft. This equipment provides real time information to include; immediate intelligence, Blue Force tracking (friendly units), and survivor information, greatly improving mission success and survivability. **Funding requested:** \$2,500,000

9. **Joint Gulf Complex Test and Training – Entity to receive funding:** Boeing Fort Walton Beach, FL. **Project description:** There is a significant shortfall in the test and training infrastructure in support of the War on Terrorism. In addition to providing critical training and mission rehearsal for Iraq and Afghanistan deployments, the range must accommodate requirements for joint testing of weapons systems that are revolutionary in nature and being developed for the War on Terrorism. The Joint Gulf Range must accommodate critical joint training requirements specifically in support of U.S. Air Force Special Operations Command and U.S. Special Operations Command. **Funding Requested:** \$3,000,000
10. **LAIRCM for AFSOC MC 130 - Entity to receive funding:** L-3 Crestview, Crestview, FL. **Project description:** AFSOC has recognized the need for enhanced protection of its C-130 aircraft operating in combat conditions where man-portable infrared missiles are present. Current countermeasures, during critical phases of their mission, have marginal effectiveness. This is needed to protect lives and assets in current and future missions in the Global War on Terror. **Funding requested:** \$4,000,000
11. **Mobile Learning Cultural Training for Military Personnel – Entity to receive funding:** University of West Florida, Pensacola, FL. **Project description:** The purpose of this project is to provide regional cultural awareness training through multiple mobile devices and through the Navy Knowledge Online (NKO) portal. Cultural awareness and language skills are critical for operations in Iraq and Afghanistan. This project builds on previous projects by the University of West Florida on mobile learning instructional delivery and on an Arabic Language and Cultural Awareness for-credit certificate program. **Funding requested:** \$1,500,000.
12. **Moving Target Strike – Entity to receive funding:** General Atomics/Alpha Data Corporation, Fort Walton Beach, FL. **Project Description:** The ability to extend the capability of GPS guided weapons to moving targets will significantly enhance the effectiveness of weapons platforms that use GPS guided systems. The enemy knows that currently if he keeps moving he is safe from many of our current weapon systems. The ability to strike movers from a variety of platforms with GPS guided weapons will greatly reduce the enemy's ability to avoid our weapons. **Funding requested:** \$3,000,000
13. **Starbase: Entity to receive funding - Okaloosa County School System/Eglin Air Force Base.** **Project description:** The project will provide a science and mathematics education improvement program to youth at risk in the local community. The STARBASE program provides an innovative approach to addressing three critical problems facing America's youth: poor preparation in

math and science, lack of personal direction, and drug abuse. The Department of Defense (DoD) STARBASE Program was established in 1994 to raise the interest and improve the knowledge and skills of at-risk youth in math, science and technology by exposing them to the technological environment and positive role models found on military bases and installations. **Funding requested:** \$484,000.

14. **Virtual Perimeter Monitoring System (VPMS) - Entity to receive funding:**
DRS Technologies, Fort Walton Beach, FL. **Project description:** DoD requires a perimeter monitoring system of remote sensors for detecting and alerting security personnel of intrusions in defined areas of interest at critical facilities. Virtual Perimeter Monitoring System (VPMS) provides continuous and persistent surveillance of areas of interest to include near real time monitoring of air fields, ports, depots and other critical infrastructures. **Funding requested:** \$2,000,000